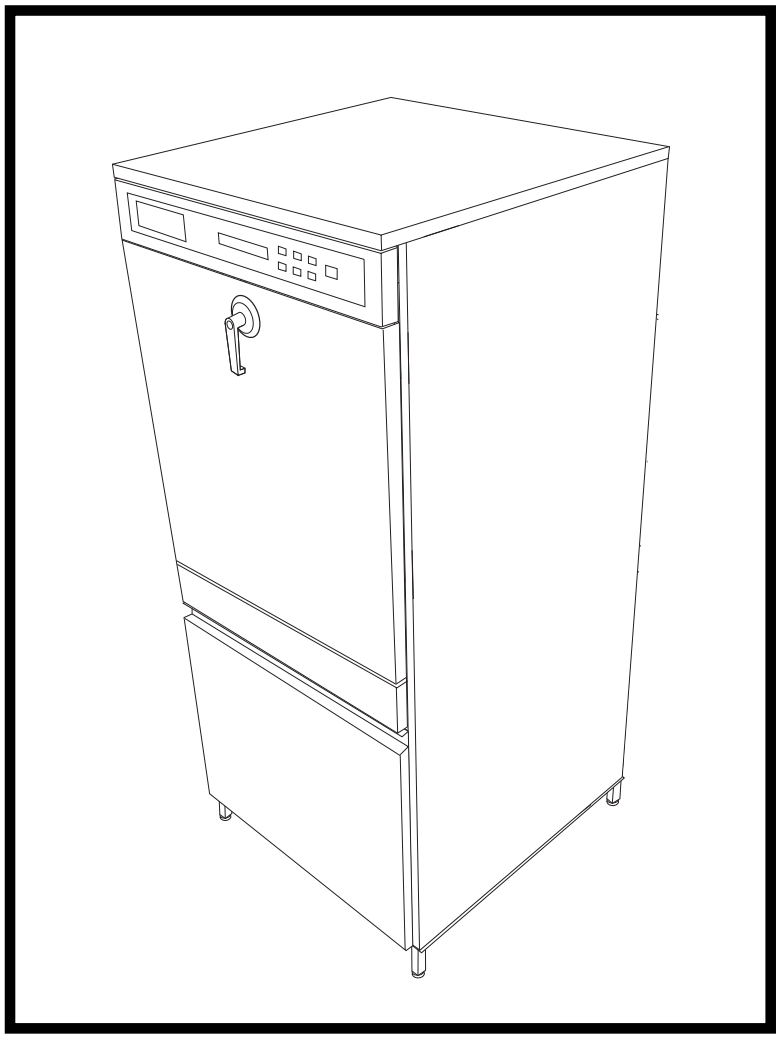
INSTALLATION INSTRUCTIONS



Decomat 4656

Serial no. 701600 -

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GETINGE DISINFECTION

CE 0301

Produced: 1998

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Safety rules

This machine is designed with a number of integrated safety devices. To avoid personal injury it is essential that the safety devices are not bypassed or in any other way put out of action.

General safety rules

- The machine should be connected according to the instructions.
- The machine may not by used by juveniles.
- Installation work and servicing should be carried out by staff trained to use this machine.
- The lid lock of the machine may not be bypassed under any circumstances.
- Leakage in the system, eg, due to worn lid gasket, must be repaired immediately.
- Personnel concerned must study valid handbooks and service manuals prior to any repairs or service work.
- All plug-in leads must be unplugged from all of the circuit boards of the control system before any welding on or close to the dishwasher is started.
- The machine may not be sprayed with water.
- Caution must be observed when using corrosive detergents.
- Safety precautions must be observed when using hot water or steam.

Power cut-off device

The machine must always be provided with a separate power cut-off device in the power supply line, easily accessible on the wall.

Caution symbols

This manual contains certain warnings, instructions and advice of such importance that they are particularly emphasized. The configuration and use of the appertaining symbols are as follows:

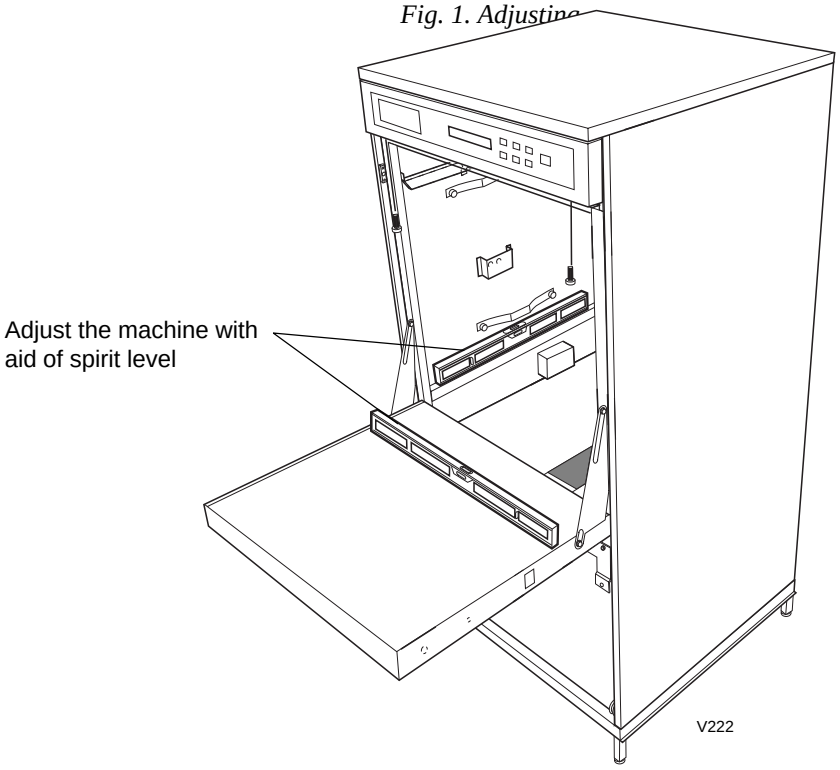
This symbol indicates a warning in the text. It gives warning of dangers which could lead to minor or major injury to the person and even to a fatality.

It is also used for warnings to avoid damage to the machine.

Installation

- Pull the machine (standing on a transport pallet) to where it is to stand.
- Remove the detergent compartment.
- Lift the machine from the transport pallet.
- Place the machine in position and set the adjusting screws of the feet to make the machine stand firm and level. Check with a spirit level as shown in figure 1 to ensure that the machine is level.
- Refit the detergent compartment.

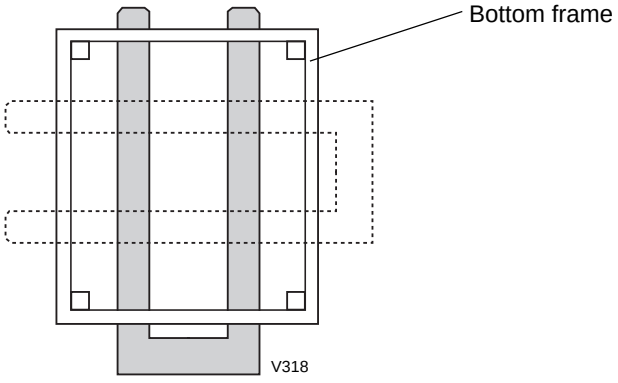
Fig. 1. Adjusting



If the machine is to be moved using a fork-lift truck:

- Position the forks of the truck as illustrated in figure 2 so as not to damage the machine.

Fig. 2. Positioning the fork-lift forks.



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Wall-mounted model

- If the machine is fitted with two doors and is to be installed in a wall, the clearance between wall and machine must be at least 15 mm.
- If several machines are mounted in-line, they must be adjusted to the same height when being installed (especially important when a loading trolley is used).

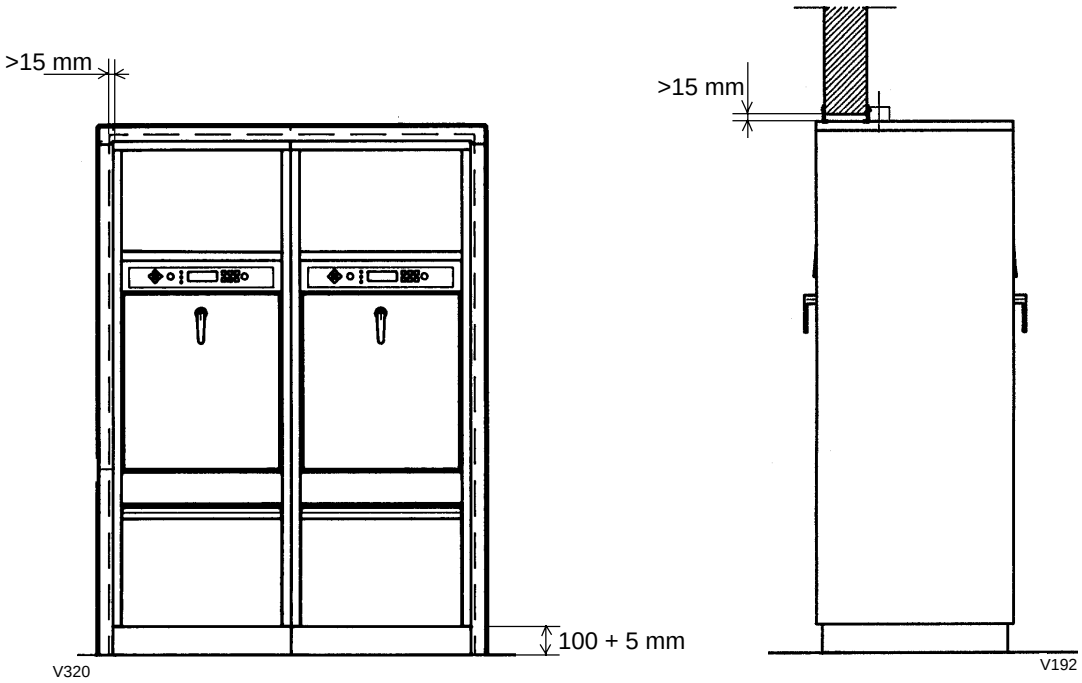

Fig. 3. Installed in wall

Free-standing model

- Screw off the front panel with the two screws. Lift up and unhook the top cover.
- Screw the two anti-topple brackets to the wall and tighten the securing screws to the machine.
- Fit the top cover and front panel.

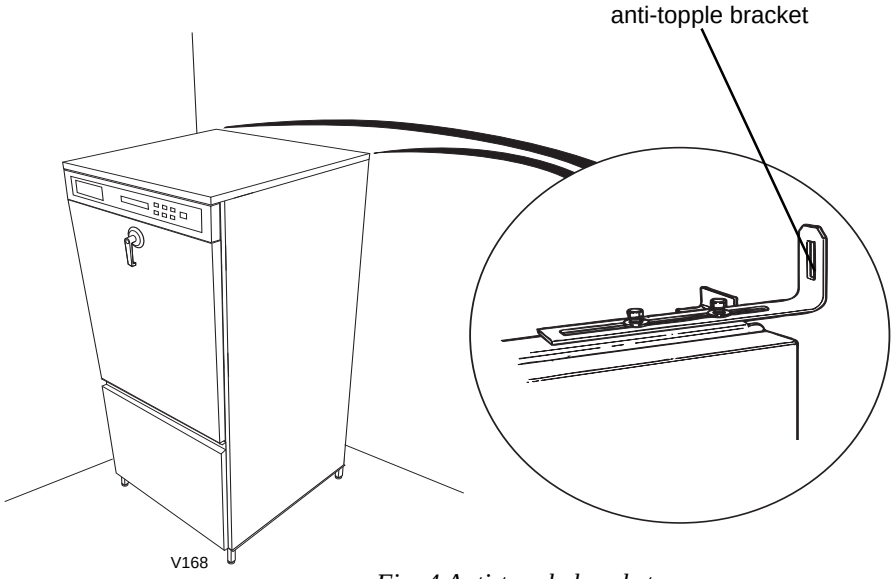

Fig. 4 Anti-topple bracket

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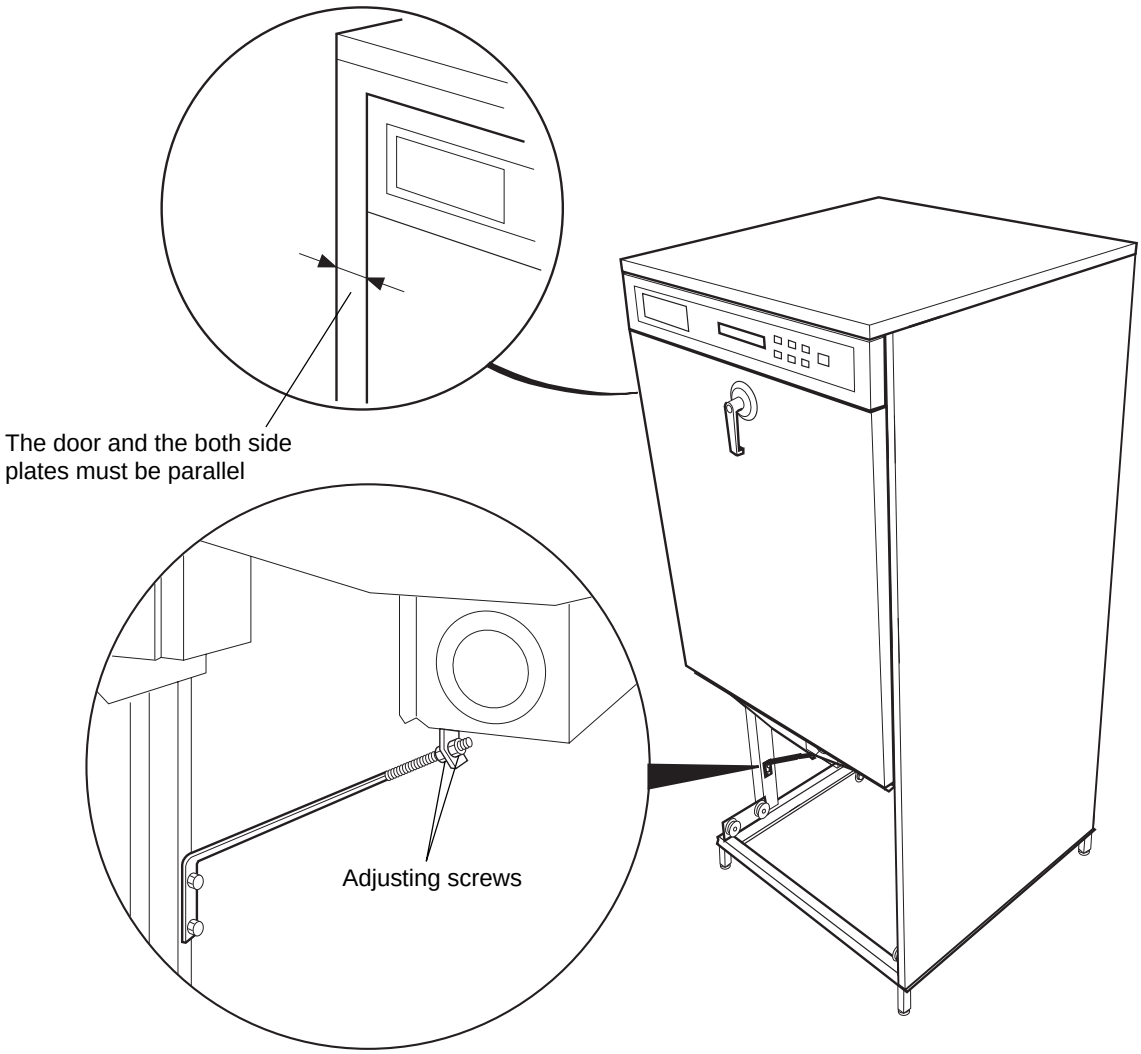
- Check that the door and both side panels are parallel.

If not:

- Remove the lower front panel and adjust the machine.
- Adjust the machine by turning the nuts to the left or right accordingly.

Adjustment must be made on both sides if the machine is fitted with double doors.



Connection of electricity, water, steam and drain

Installation may be made by authorized personnel only.

- The machine should be fitted with a power cut-off device with a 3 mm gap in the mains supply feed to facilitate maintenance and servicing.
- Position the disconnecting switch easily accessible on the wall.
- A cable (length 1.5 metres) for connecting to the disconnecting switch accompanies the machine.

The electric installation in the operating switch located to the left below the washing chamber of the machine is made as follows:

- The disinfector is connected to protective earth and to the supply voltage indicated on the data plate.
- Ensure that the correct size of fuse is fitted. The fuse value is stated on the data plate.

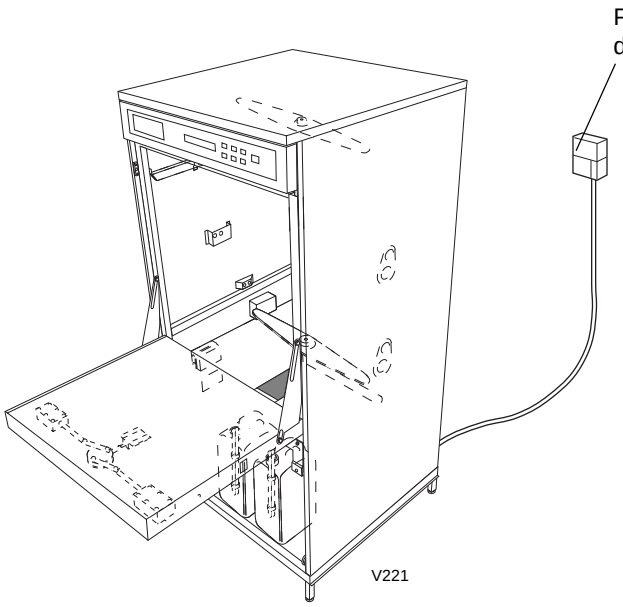


Fig. 6. Electrical connection (see electric circuit diagram in the service instructions)

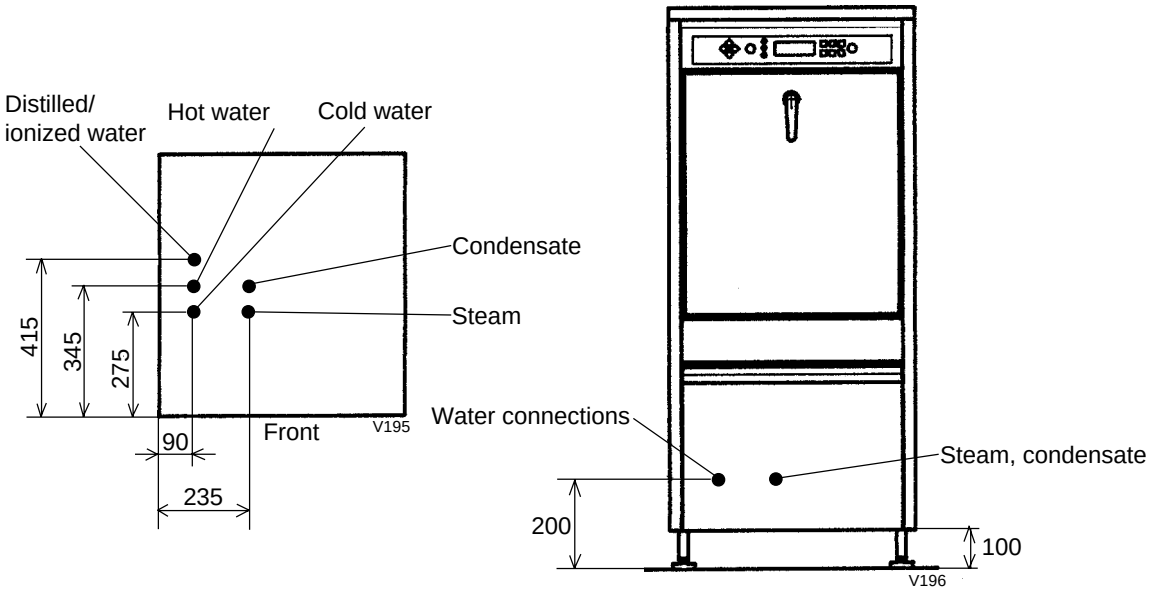
- Fit the connections for water, and steam if used, with separate shut-off cocks. Flush the water and any steam pipes that are to be connected to the machine so that they are clean and thus prevent clogging of filters and valves.
- Connect the disinfector to the cold and hot water supply, and to steam and condensate connections if relevant. The connections must be in compliance with the following requirements:

	Connection	Pressure	Consumption
Cold water	1/2” (15 mm)	100-800 kPa	>13 litres per phase
Hot water	1/2” (15 mm)	100-800 kPa	>13 litres per phase
Distilled water/Deionized water	3/4" (20 mm)	50-800 kPa*	>13 litres per phase
Steam	1/2” (15 mm)	300-500 kPa	0.5 kg/min (300 kPa)
Condensate	1/2” (15 mm)		

* A separate supply pump must be used if pressure is below 50 kPa.

- Teflon tape is recommended for the sealing of connections.

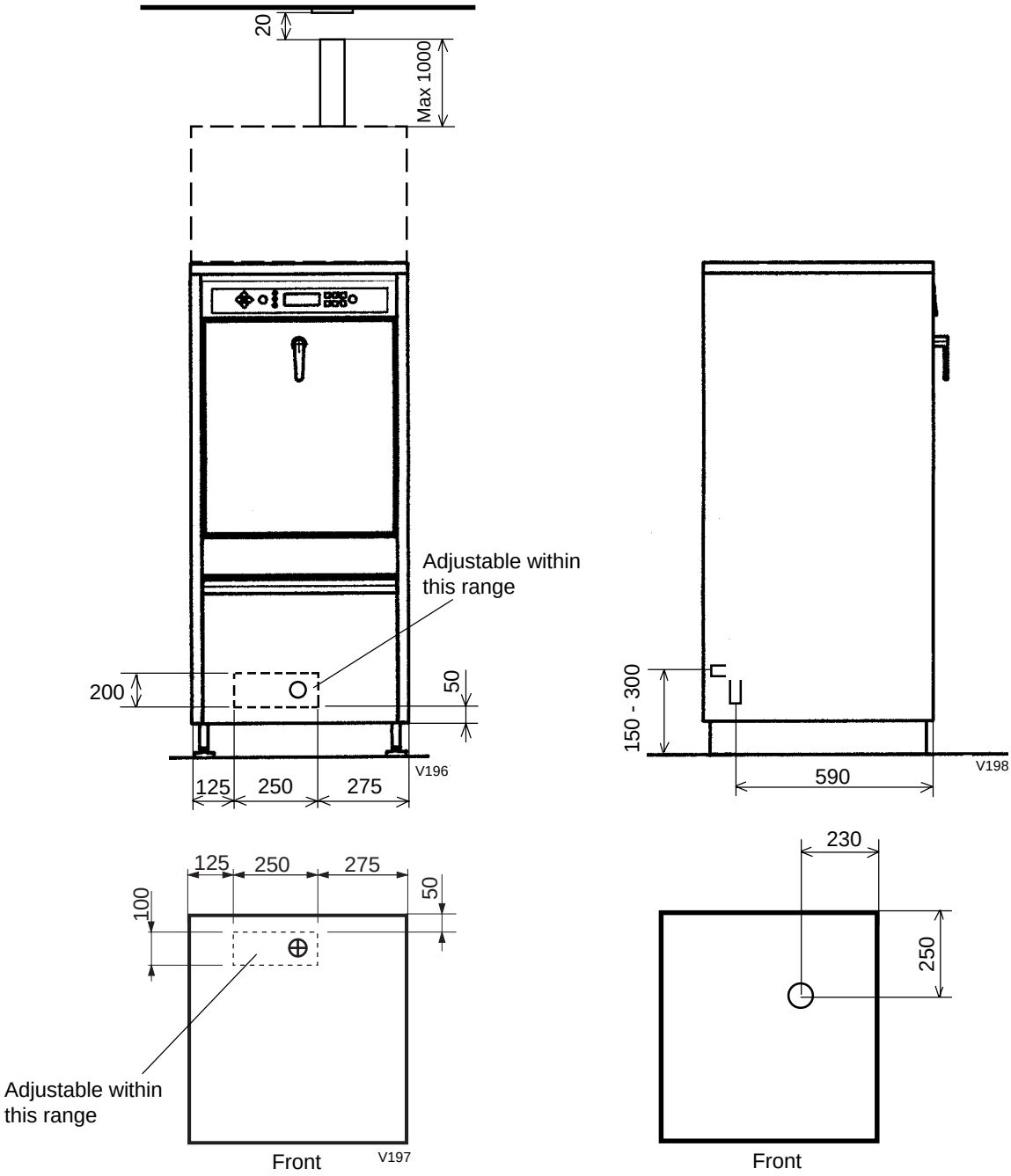
Fig. 7. Connection of water, steam and condensate



- Connect the disinfector to a drain that has a capacity of at least 30 litres per minute. The drain may be connected to the rear or downwards as indicated in figure 6. Diameter of drain: 50 mm.

- Connect a de-aerator to the dryer (if the machine is fitted with one), diameter: 63 mm.

Fig. 8. Connections for drain and evacuation from dryer



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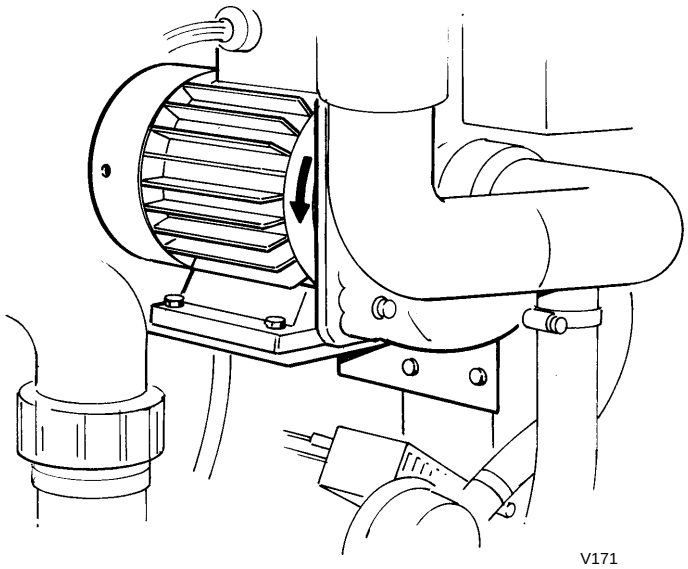
Functional check

- Ensure that the machine is connected to the correct power supply and that the drain, water, steam and condensate connections are correctly made. Open the water and steam cocks.
- Fill the detergent and rinsing agent bottles and place their level alarms in the bottles.
- Place any accessories required in the washing chamber and close the door.
- Choose a program in which dosing is made from each of the detergent and rinse-aid bottles and start the machine (see Operating Instructions).
- Ensure that filling with water in the machine is satisfactory.

Note.
The circulation pump must be filled with water. The axial seal may be damaged if there is no water in the pump.

- Ensure that the circulation pump is rotating in the right direction as indicated by the arrow on the pump motor. If not, break the power supply, change the phase sequense and restart the machine.

Fig 9. Circulation pump



- Ensure that the dispenser pumps operate at the correct time in accordance with the description of the program in the Operating Instructions and that detergent is supplied.
- Check while the program is running that the door/doors cannot be opened.
- On machines with double doors, check the door locking function on completion of a program as follows:
  - Ensure that the door on the soiled side cannot be opened.
  - Open the door on the clean side and then close it again.
  - Open the door on the soiled side.
  - Check that the door on the clean side cannot be opened.
- Ensure that there is no leakage of water or steam. Re-tighten connections for water, steam and drainage if required.

Technical data

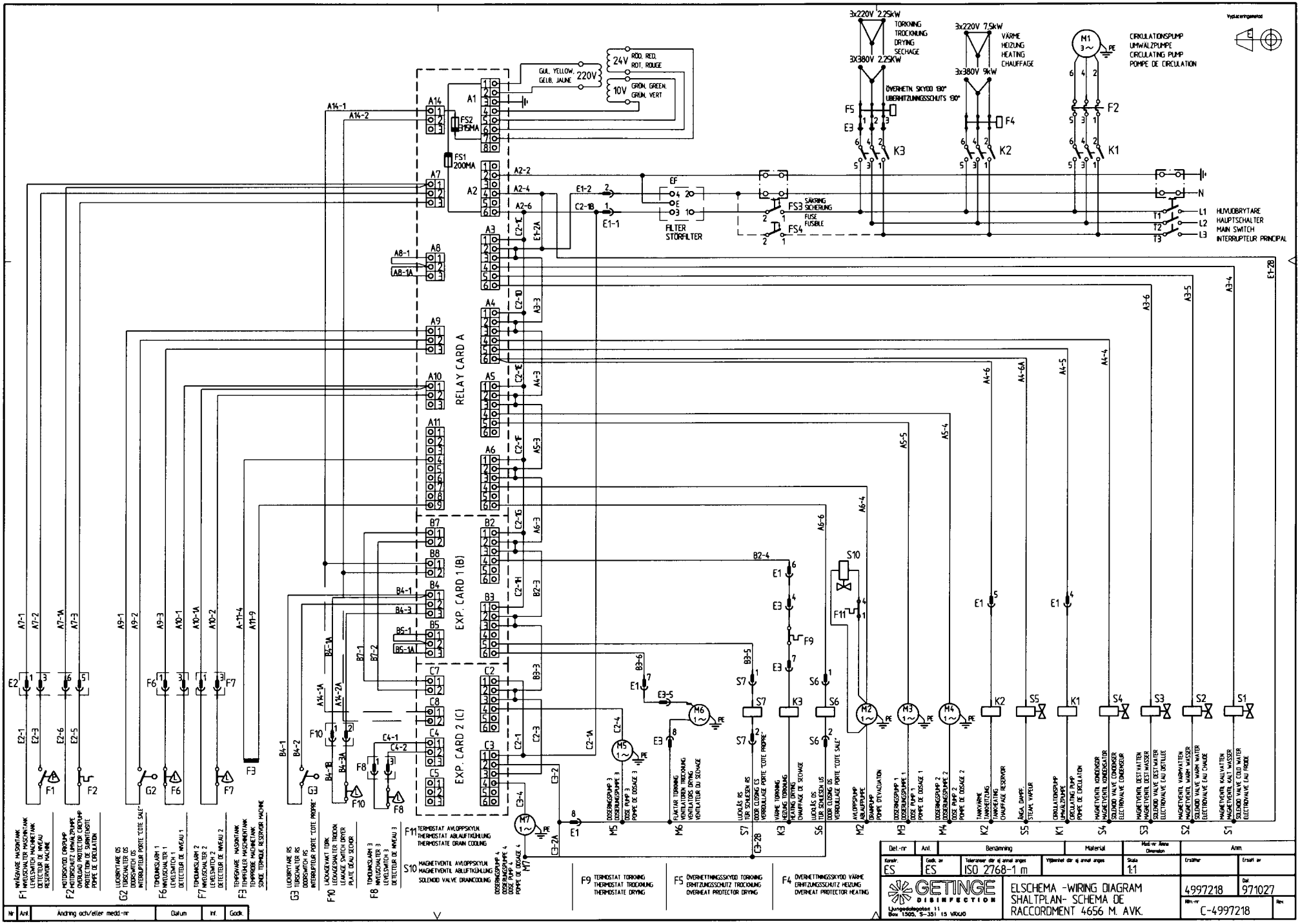
Weight:	Machine without dryer	145	kg
	Machine with dryer	175	kg
Width		650	mm
Depth		690	mm
Height:	Single machine without dryer	1460	mm
	Single machine with dryer	1860	mm
	Double machine	1860	mm
Environmental requirements:			
	Humidity, maximum	80% at 31	°C
	Room temperature	5 - 40	°C
Consumption of water		13	l/phase
Cold water			
	Connections	15 (1/2")	mm
	Pressure	100-800	kPa
	Rate of flow	20	l/min
Warm water			
	Temperatur	45-60	°C
	Connections	15 (1/2")	mm
	Pressure	100-800	kPa
	Rate of flow	20	l/min
Dest./deionized water			
	Connections	20 (3/4")	mm
	Pressure	50-900	kPa (a separate supply pump must be fitted if pressure is less than 50 kPa)
	Rate of flow	20	l/min
Steam			
	Connections	15 (1/2")	mm
	Pressure	300-450	kPa
	Consumption	0,5	kg/min vid 300 kPa
Drain	dia. 50	mm	
Electric power			
	Variant G2	208-230	V, 3+E, 50/60 Hz (TN)
	Fuse	3x25	A
	Rated power	9,0	kW
	Variant G3	400	V, 3 N+E, 50/60 Hz (TN)
	Fuse	3x16	A
	Rated power	10,3	kW
	Variant V2 without dryer	208-230	V, 3+E, 50/60 Hz (TN)
	Fuse	3x10	A
	Rated power	1,5	kW
	Variant V3 Without dryer	400	V, 3 N+E, 50/60 Hz (TN)
	Fuse	3x10	A
	Rated power	1,5	kW
	Variant V2 with dryer	208-230	V, 3+E, 50/60 Hz (TN)
	Fuse	3x16	A
	Rated power	4,0	kW
	Variant V3 with dryer	400	V, 3 N+E, 50/60 Hz (TN)
	Fuse	3x10	A
	Rated power	4,0	kW
Max. ambient temperature		50	°C
Noise level	60	dB (A)	

Electric power- Japan

Variant G2	200	V, 3+E, 50/60 Hz (TN)
Fuse	3x30	A
Rated power	9,0	kW
Variant V2 without dryer	200	V, 3+E, 50/60 Hz (TN)
Fuse	3x10	A
Rated power	1,5	kW
Variant V2 with dryer	200	V, 3+E, 50/60 Hz (TN)
Fuse	3x16	A
Rated power	4,0	kW

Max. ambient temperature 50 °C
Noise level 60 dB (A)

Electric circuit diagram


RELAY CARD A
EXP. CARD 1 (B)
EXP. CARD 2 (C)
3x220V 2.2SkW
TORKNING
TROCKNUNG
DRYING
SECHAGE
3x380V 2.2SKW
3x220V 7.5kW
VÄRME
HEIZUNG
HEATING
CHAUFFAGE
3x380V 9kW
CIRKULATIONSPUMP
UMWÄLZPUMPE
CIRCULATING PUMP
POMPE DE CIRCULATION
ÖVERHETN. SKYDD 130°
ÜBERHITZUNGSSCHUTZ 130°
FILTER
STÖRFILTER
SÄKRING
SICHERUNG
FUSE
FUSIBLE
HUVUDBRYTARE
HAUPTSCHALTER
MAIN SWITCH
INTERRUPTEUR PRINCIPAL
GETINGE DISINFECTION
ELSCHEMA -WIRING DIAGRAM
SHALTPLAN- SCHEMA DE
RACCORDMENT 4656 M. AVK.
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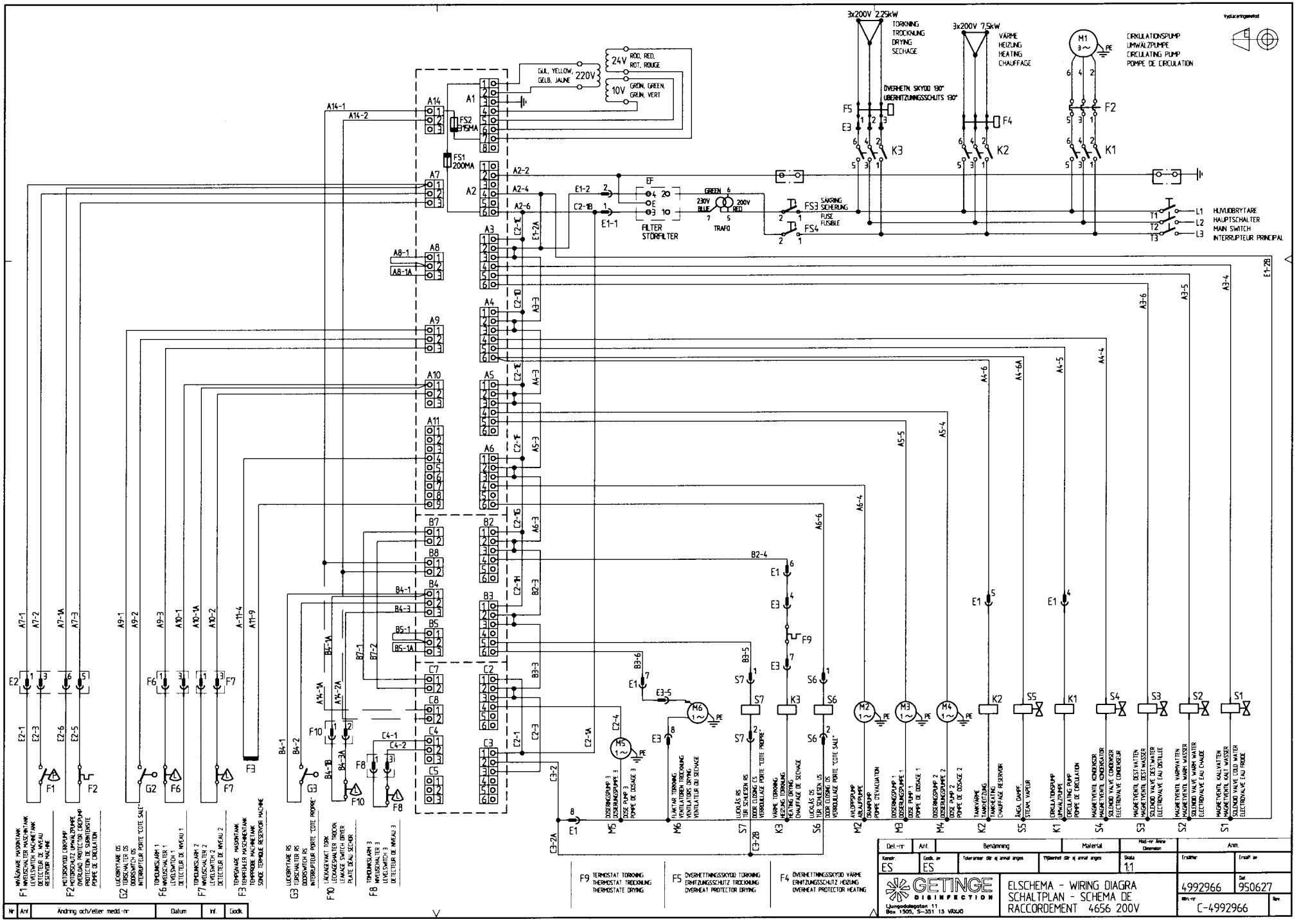
3x200V 2,25kW
TORKNING
TROCKNUNG
DRYING
SECHAGE
3x200V 7,5kW
VÄRME
HEIZUNG
HEATING
CHAUFFAGE
CIRKULATIONSPUMP
UMWÄLZPUMPE
CIRCULATING PUMP
POMPE DE CIRCULATION
ÖVERHETN. SKYDD 130°
ÜBERHITZUNGSSCHUTZ 130°
HUVUDBRYTARE
HAUPTSCHALTER
MAIN SWITCH
INTERRUPTEUR PRINCIPAL
FILTER
STÖRFILTER
TRAFO
SÄKRING
SICHERUNG
FUSE
FUSIBLE
24V
10V
220V
ELSCHEMA - WIRING DIAGRA
SCHALTPLAN - SCHEMA DE
RACCORDEMENT 4656 200V
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